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general characteristics; isolation and preparation of seed proteins; basic and acid properties of proteins; solubility of vegetable proteins; precipitation of vegetable proteins; denaturing of vegetable proteins; physical constants of vegetable proteins; products of hydrolysis of vegetable proteins; classification of vegetable proteins; some physiological relations of vegetable proteins to the animal organism and the biological relations of seed proteins to one another.

The plant physiologist will welcome this work especially, for most discussions of proteins deal in the main with animal proteins.—WILLIAM CROCKER.

#### MINOR NOTICES

**A new catalogue of Connecticut plants.**—The Connecticut Botanical Society, through a committee of six of its members, has issued recently a *Catalogue of the flowering plants and ferns of Connecticut*.<sup>5</sup> The publication has been modestly termed a *catalogue*, but it is far more than a mere list of plants of the state. The scientific and common names of the plant are given, as well as limited synonymy, habitat, distribution, and citation of exsiccatae; and often a note on the economic import of the species is added.

In the sequence of families and in nomenclature the work accords with the seventh edition of GRAY'S *Manual*. A statistical summary gives the following composition of the flora: number of families 134, genera 621, species 1942, varieties and forms 286; a total of 2228 recognizably distinct plants; and approximately four-fifths of these are indigenous to the state.

The work is an important one to the taxonomic student; and the collaborators have done a commendable service to their state in recording, in available and useful form and with a high degree of accuracy and completeness, their intimate knowledge of the Connecticut flora.—J. M. GREENMAN.

**North American Flora.**<sup>6</sup>—Volume XXV, part II, is devoted to the Geraniales, as follows: Tropaeolaceae by G. V. NASH, Balsaminaceae and Limnanthaceae by P. A. RYDBERG, Koeberliniaceae by J. H. BARNHART, Zygophyllaceae by A. M. VAIL and P. A. RYDBERG, and the Malpighiaceae by J. K. SMALL. Four new genera of the Malpighiaceae are proposed, namely, *Adenopores*, *Callaeum*, *Rosanthus*, and *Banisteriopsis*. Several new species are described; these are distributed among the following genera: *Impatiens* (3), *Fagonia* (3), *Guaiacum* (3), *Kallstroemia* (6), *Mascagnia* (2), *Hiraea* (1), *Triopteris* (1), *Tetrapteris* (2), *Banisteriopsis* (2), *Banisteria* (2), *Stigmaphyllon* (1), *Thryallis* (1), and *Malpighia* (5).—J. M. GREENMAN.

<sup>5</sup> GRAVES, C. B., EAMES, E. H., BISSELL, C. H., ANDREWS, L., HARGER, E. B., and WEATHERBY, C. A., Committee of the Connecticut Botanical Society. Catalogue of the flowering plants and ferns of Connecticut growing without cultivation. Bulletin No. 14, State Geological and Natural History Survey. 8vo. pp. 569. Hartford, Conn. 1910.

<sup>6</sup> North American Flora, vol. XXV, part II, pp. 89–171. New York Botanical Garden. 1910.